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Patent Abstract

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GER 2000-06-15 19948045 **Seat weight measuring appliance**

INVENTOR(S)- Aoki, Hiroshi Shiga JP

APPLICANT(S)- Takata Corp. Shiga JP

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It is one intended seat weight measuring appliance, with which the work costs and the construction costs are reduced and are improved their heat constancy and corrosion constancy. A load sensor possesses a mechanism at least to the reception of a part of the seat weight and to the conversion of the weight from an electric signal. A Dehnungsmeo"einrichtung of the load sensor (30) includes a low isolation situation (32), a wiring situation (33), a resistance situation (34) and an upper isolation situation (35), that are trained one after the other on a sensor element (31).

EXEMPLARY CLAIMS- 1. Seat weight measuring appliance to the measurement of the weight of a vehicle seat including a passenger's sedentary on it weight mit: einem load sensor that picks up a part of the seat weight at least and the seat weight into an electric signal umwandelt, wobei the load sensor a sensor element, that is at least elastically workable at reception of a part of the seat weight, and a Dehnungsmeo"einrichtung, that intended on a surface of the sensor element, shows ist, wobei included the Dehnungsmeo"einrichtung a low isolation situation, a wiring situation, a resistance situation and an upper isolation situation, that are trained one after the other on the sensor element. 2. Seat weight measuring appliance after claim 1, with what the load sensor is angeordnet in the seat. 3. Seat weight measuring appliance after claim 1, with what the load sensor is angeordnet between the seat and a vehicle bodywork. 4. Seat weight measuring appliance after one of the claims 1 .3, with what the sensor element exists ten elastic distortion out of a material, that repeats one, with a lengthening of at least 0,1 percent can resist. 5. Seat weight measuring appliance after one of the claims 1 .4, with what the low isolation situation, the wiring situation, the resistance situation and the upper isolation situation are trained by too bulky of an isolation paste, a wiring paste or a resistance paste on the sensor element. 6. Seat weight measuring appliance after one of the claims 1 .5, includes the low and upper isolation situation a glassy material with what. 7. Seat weight measuring appliance after one of the claims 5 or 6, with what the sensor element exists out of rustproof steel. 8. Seat weight measuring appliance after one of the claims 1 to 3, with what several wirings and connections are laminated to the connection of additional parts at the sensor element. 9. Seat weight measuring appliance after one of the claims 1 .8, the additional parts an appliance, that discontinues a

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